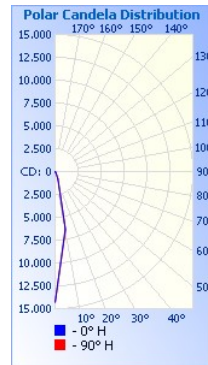


ZANIBONI® LIGHTING

Filename: D3-LU4OS-1830C-1C-WS-Z-0
Manufacturer: Zaniboni Lighting
Luminaire: D3-LU4OS-1830C-1C-WS-Z-0
Luminaire Cat: D3-LU4OS-1830C-1C-WS-Z-0
Lamp: WHITE 3K 90 CRI 15 DEGREE
Lamp Output: Total luminaire Lumens: 1981.2
Max Candela: 14,278.7 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Circular (Dia: 2.76")
Test: LUNA 40S V13 515mA 33.61V
Test Lab: Zaniboni Light
Photometry : Type C
Nema Type: 3 X 3



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	7.8
Max Cd, 80 to <90 Deg:	2.6
Lumens % Lamp	
Downward Street Side:	1,084.7 54.8%
Downward House Side:	1,010.0 51%
Downward Total:	2,094.7 105.7%
Total Lumens:	2,094.7 105.7%

Flood Summary

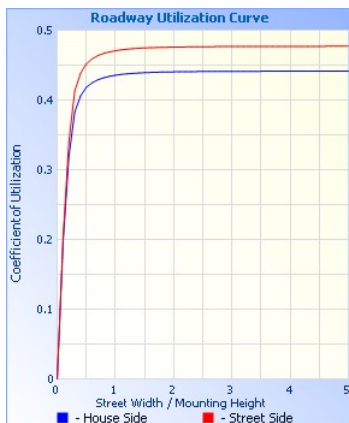
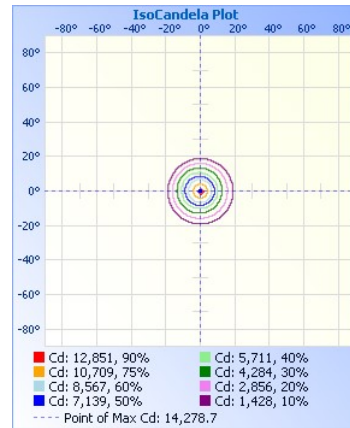
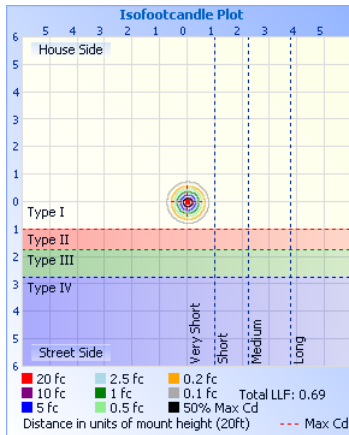
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	82.2%	1,629.2	37.5	37.6
Beam (50%):	32.5%	643.3	17	17
Total:	105.5%	2,090.7		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,811.3	91.4%
0-40	1,895.8	95.7%
0-60	1,964.2	99.1%
60-90	17.0	0.9%
0-90	1,981.2	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	758.7	38.3%
10-20	828.5	41.8%
20-30	224.1	11.3%
30-40	84.4	4.3%
40-50	43.9	2.2%
50-60	24.5	1.2%
60-70	11.4	0.6%
70-80	4.0	0.2%
80-90	1.7	0.1%



Illuminance at a Distance		
Center Beam fc	Beam Width	
5.0R	571 fc	1.5 ft 1.5 ft
10.0R	143 fc	3.0 ft 3.0 ft
15.0R	63.5 fc	4.5 ft 4.5 ft
20.0R	35.7 fc	6.0 ft 6.0 ft
25.0R	22.8 fc	7.5 ft 7.5 ft
30.0R	15.9 fc	8.9 ft 9.0 ft
Vert. Spread: 17.0°		
Horiz. Spread: 17.0°		

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%				
RCC %:	80	70	50	30
	10	0		

RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	.97	1.07	1.05	1.04	1.03	1.02	1.01	1.00	.99	.98	.96
2	1.11	1.07	1.04	1.02	1.09	1.06	1.03	.93	1.02	1.00	.98	1.00	.98	.96	.97	.96	.94	.93
3	1.07	1.03	.99	.96	1.06	1.01	.98	.90	.99	.96	.94	.96	.94	.92	.94	.93	.91	.90
4	1.04	.98	.94	.91	1.02	.97	.94	.87	.95	.92	.90	.94	.91	.89	.92	.90	.88	.87
5	1.01	.95	.91	.88	.99	.94	.90	.85	.92	.89	.86	.91	.88	.86	.89	.87	.85	.84
6	.98	.92	.87	.84	.97	.91	.87	.82	.90	.86	.84	.88	.85	.83	.87	.85	.83	.81
7	.95	.89	.84	.82	.94	.88	.84	.80	.87	.83	.81	.86	.83	.81	.85	.82	.80	.79
8	.93	.86	.82	.79	.92	.86	.82	.78	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
9	.90	.84	.80	.77	.89	.83	.79	.76	.82	.79	.76	.82	.78	.76	.81	.78	.76	.75
10	.88	.81	.77	.75	.87	.81	.77	.74	.80	.77	.74	.80	.77	.74	.79	.76	.74	.73

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	27
0	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279	14279
10	6322	6430	6529	6609	6664	6691	6682	6636	6565	6469	6355	6226	6095	5951	5813	5683	5559	5446	5342	5252	5181	5131	5103	5094	5107	5134	5178	5
20	871	873	880	889	895	899	897	892	884	873	860	849	842	838	832	824	812	799	786	777	772	769	767	767	769	772	775	
30	211	212	214	216	217	217	216	214	212	208	204	201	199	197	195	193	191	189	187	186	185	186	186	187	188	189	189	
40	81	81	81	82	82	82	82	82	81	80	79	78	77	77	76	75	75	74	74	74	74	74	74	75	75	76	76	
50	39	39	39	40	40	40	40	40	40	40	39	39	38	38	38	37	37	37	36	36	36	35	36	36	36	36	36	
60	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18	18	18	17	17	17	16	16	16	16	16	16	16	
70	6	6	6	6	6	6	6	7	7	7	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	
80	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
90	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	1	1	1	2	1

Luminaire Report Summary

IESNA: LM-63-2002
[TEST] LUNA 4OS V13 515mA 33.61V
[TESTLAB] Zaniboni Light
[ISSUEDATE] 3/28/2025
[MANUFAC] Zaniboni Lighting
[LUMCAT] D3-LU4OS-1830C-1C-WS-Z-0
[LUMINAIRE] D3-LU4OS-1830C-1C-WS-Z-0
[LAMP] WHITE 3K 90 CRI 15 DEGREE

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.